

Product Information

MemDX™ Membrane Protein Human OPN3 (Opsin 3) Full Length

Cat. No.: **MPC1088K**

This product is for research use only and is not intended for diagnostic use.

This product is a 44.8 kDa Human OPN3 membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

OPN3

Protein Length

Full length

Protein Class

GPCR

Molecular Weight

44.8 kDa

TMD

7

Sequence

MYSGNRSGGHGYWDGGGAAGAE GPAPAGTLSPAPLFSPGTYERLALLLGS
IGLLGVGNLLVLVLYYKFQRLRTPTHLLLVNISLSDLLVSLFGVTFTFV
SCLRNGWVWDTVGCVWDGFGSLFGIVSIATLTVLAYERYIRVVHARVIN
FSWAWRAITYIWLYSLAWAGAPLLGWNRYILDVHGLGCTVDWWSKDANDS
SFVLFLFLGCLVVPLGVIAHCYGHILYSIRMLRCVEDLQTIQVIKILKYE
KKLAKMCFMIFTFLVCWMPYIVICFLVVNGHGHVLTPTISIVSYLFAKS
NTVYNPVIYVFMIRKFRRSLLQLLCLRLLRCQRPAPKDLPAAGSEMQRPI
VMSQKDGDRPKKVTFNSSSIIFIITSDESLSVDDSDKTNGSKVDVIQVR
PL

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target**Target Protein**

OPN3

Full Name

Opsin 3

Introduction

Opsins are members of the guanine nucleotide-binding protein (G protein)-coupled receptor superfamily. In addition to the visual opsins, mammals possess several photoreceptive non-visual opsins that are expressed in extraocular tissues. This gene, opsin 3, is strongly expressed in brain and testis and weakly expressed in liver, placenta, heart, lung, skeletal muscle, kidney, and pancreas. The gene may also be expressed in the retina. The protein has the canonical features of a photoreceptive opsin protein.

Alternative Names

OPN3; ECPN; PPP1R116; opsin-3; encephalopsin; opsin 3 (encephalopsin, panopsin); protein phosphatase 1, regulatory subunit 116; Opsin 3

Gene ID

[23596](#)

UniProt ID

[Q9H1Y3](#)